



<http://www.mn-arts.org/>

## **June 2021 Edition**

### **June Meeting Minutes:**

**Russ Ramirez, K0WFS**, called the meeting to order on June 12, 2021 at 1:05 PM. 12 members were in attendance.

- Due to COVID-19 restrictions, the meeting was conducted via Zoom
- The May 2021 Minutes were approved.
- The Treasurer was not present and there was no report.

### **Old Business:**

There was no old business.

### **New Business:**

It was noted that Field Day is the weekend of June 26-27. Rob, **K0CD**, has posted information on his operating intentions on the club reflector. Several clubs in the area will be setting up sites. The ARRL Field Day Locator, (<http://www.arrl.org/field-day-locator>) lists location information.

Russ, **K0WFS**, brought up the subject of possibly having face-to-face meetings in the near future, perhaps August or

September. He intends to send around a survey to get the consensus of the membership.

Russ also asked if anyone had experience with vertical antennas using off-ground radials.

Eric, **AD0MZ**, asked about the merits of vertical vs. horizontal antenna polarization on various bands.

As a part of the above antenna discussions, Russ, **K0WFS**, mentioned he has been using an antenna modeling program he highly recommends. The program, MMANA-GAL, can be downloaded from <http://gal-ana.de/basicmm/en/>.

### **Show and Tell:**

There was no Show and Tell.

### **Presentation:**

There was no presentation for June.

### **Next Meeting:**

Next meeting on August 7, 2021 at 1PM. Location to be determined.

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**Club Officers:**

*President: Russ Ramirez/K0WFS*  
*Vice Pres: Bob Liesenfeld/WB0POQ*  
*Secretary: Bede Willenbring/WA0QNV*  
*Treasurer: Paul Bushouse/N0TYE*  
*At Large: Thomas Kent/WM0SS*

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